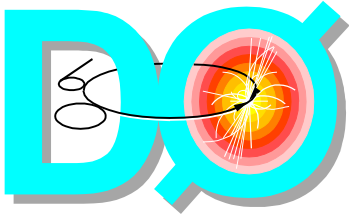
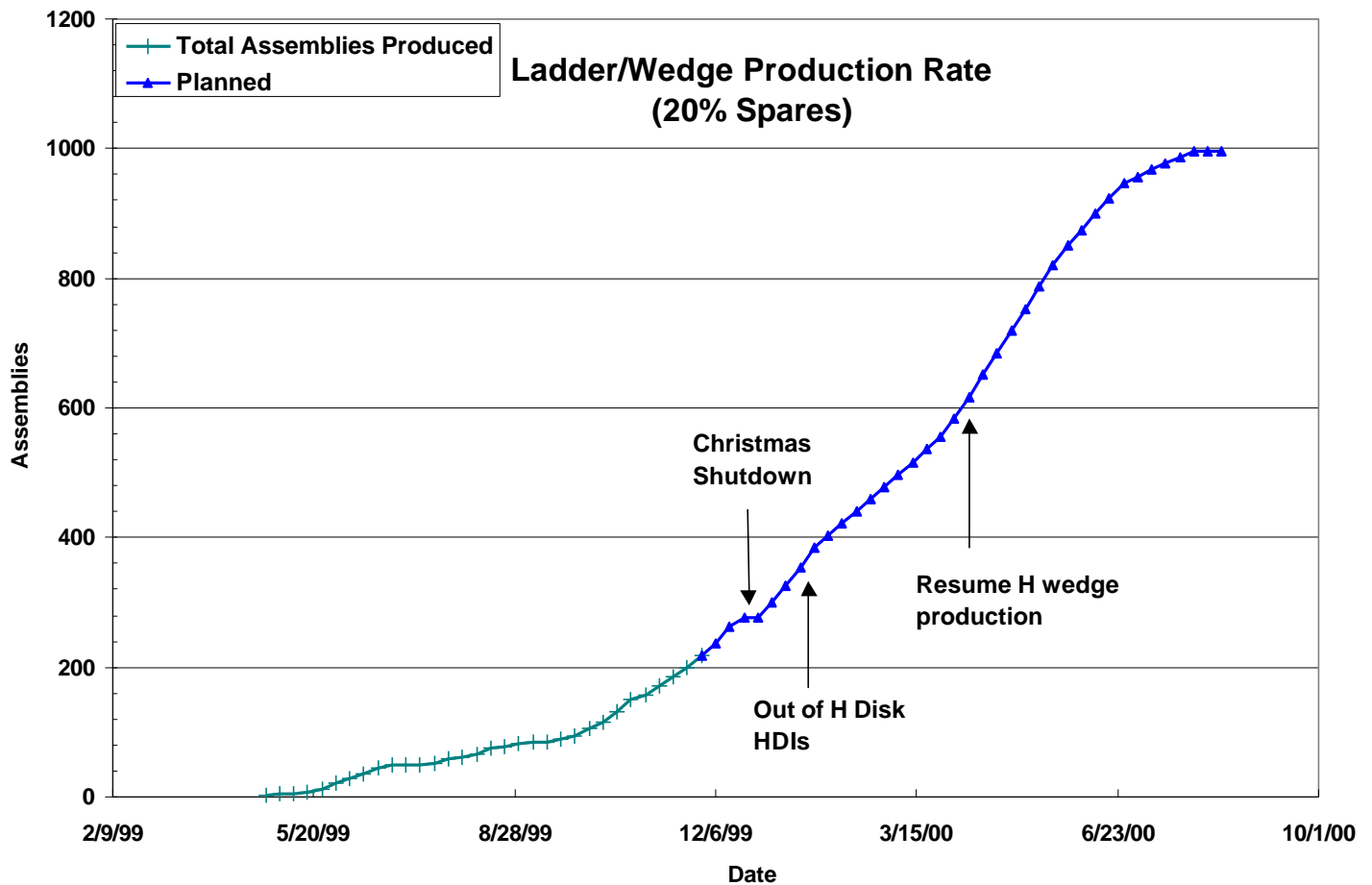


DOSMT Milestones

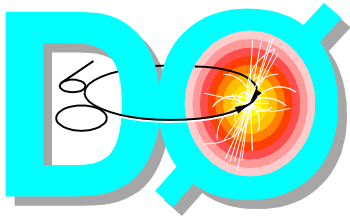
- 11/03/99 9 chip ladder fab 20% complete
 - ◆ Met on time
- 11/5/99 M3-Silicon Tracker F Wedge Production Begun -
 - ◆ Started (at low rate) week of 11/8/99
 - Problems with low yield of HDI hybrids
- 11/16/99 3 chip ladder fabrication complete -
 - ◆ Not met - estimate 1/24/00
 - Stopped work to concentrate on repairing problems with 6 and 9 chip fixtures.
 - Final set of HDIs being laminated
 - Not critical path - about 3-4 weeks to finish after parts arrive
- 1/3/00 6 chip ladder fab 20% complete
 - ◆ Estimate 1/17/99
 - slowed by fixture work
 - Problems with detectors -> visual scanning
- 1/19/00 F wedge assemblies 20% complete
 - ◆ Estimate 2/7/00, slowed by HDI QC problems



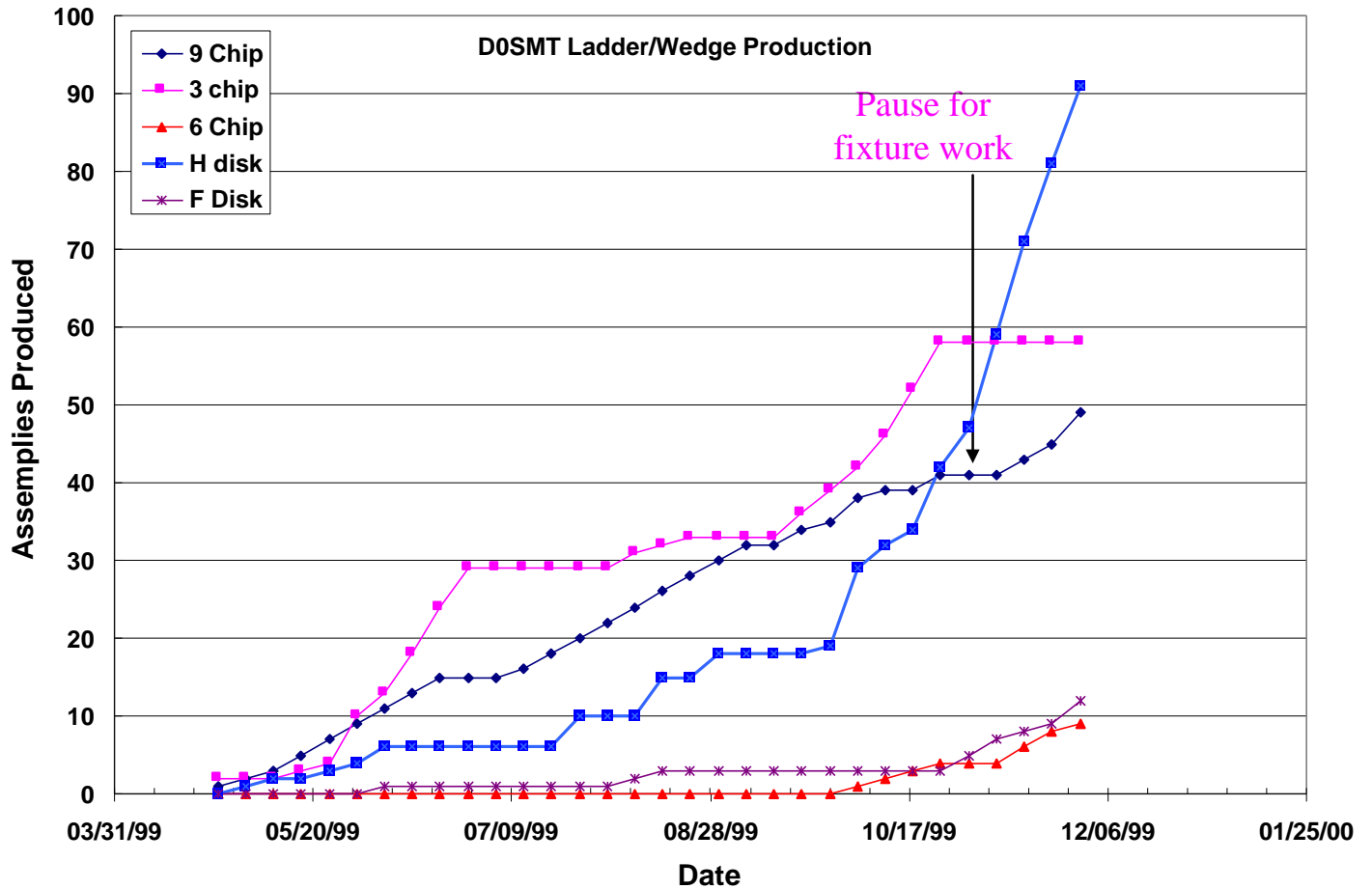
Ladder/Wedge Production

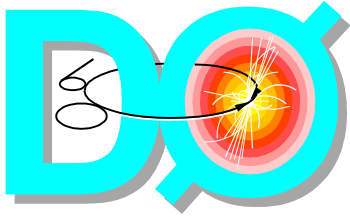


Note: We are in the process of revising our projections - hope to have a final version next week.



Ladder/Wedge Production





DOSMT - Status

- **HDI Fabrication**
 - ◆ 36 H wedge scheduled for fabrication this week at Promex
 - ◆ >90% yield on 6 chip HDIs
 - ◆ continued low yield on F disks
 - ◆ qualifying Silitronics
- **Production / fixtures rates**
 - ◆ Found some misaligned production ladders
 - 14 micron offset in 6 chip fixtures
 - ~4 out of spec 9 chip detectors
 - Remeasure all ladders
 - tighten up QC - real time analysis
 - concentrate on having all fixtures qualified
 - ◆ Use resources to build H wedges
 - 10-12/week
 - 85% yield
 - Out of HDIs in January
- **Major Concerns**
 - ◆ F disk electronics yield
 - ◆ Fixture qualification
 - ◆ Physicist manpower
 - ◆ reorder parts for additional spares